

Risk budget tool

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I stand corrected. Earlier, I noted that I was unaware of any landfill incorporating something like a risk budget tool as part of its authorization. I was just looking through the groundwater protection program (GW monitoring plan) for ERDF, which noted that our very own ERDF actually has something like a risk budget tool. Here's the brief excerpt that set my thinking and recollection right:

"ERDF is a landfill authorized under CERCLA designed to meet the RCRA minimum technology requirements (40 CFR 264, Subpart N) and the ROD requirement that the risk associated with the groundwater exposure pathway remain below 10^{-5} for the first 100 years, and then below 10^{-4} thereafter (EPA et al.1995). "

By establishing an risk decision criteria for the target media, and assuming there is a fate/transport methodology and release scenarios established, it is an easy conceptual task to back calculate the allowable inventory that ensures the acceptable risk limits are met.

My efforts toward truth in advertising for the day.

Dave